

**Welcome**



# **The impact of climate change**

And the mental health effects  
on our depleting traditional  
foods

# Introduction

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Dan Martinez -Emergency Manager

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Waymon Harry - Support Staff

# Brief history of Warm Springs

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- We are made up of 3 tribes (Warm Springs, Wasco, Paiute)
- 1 of 2 treaty tribes in Oregon.
- 2000 sq. miles of reservation land, even more in ceded lands throughout Oregon.
- We are also a non-public law 280 exempt reservation.





# The changing climate

- Due to changes in the world and climate, we are experiencing more challenging times with drought, high heat, wildfire risk and terrible air quality.
- With these conditions it has been getting more difficult for some of our plant based traditional foods to grow
- Some are beginning to grow later in their usual season in the year



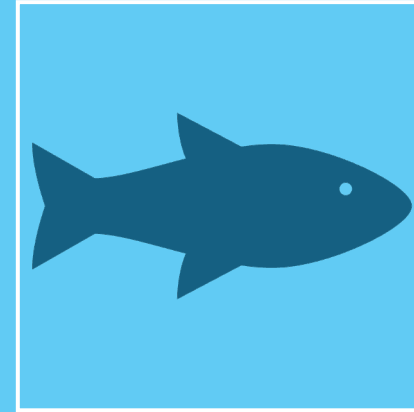
# The Rising Impacts

- Some of our feasts and ceremonies depend on some of these traditional foods.
- There are times where the plants are not ready for harvest.
- Due to outside conditions, it may be a personal risk to go out and gather.

# Effects on Wildlife/Fish



Due to the changing environment some wildlife have been moving to different areas for habitable living and food.



Fish now swim lower in the rivers as they are adapting to the changing temperatures in the water.

Here are some Roots/Plants that are affected  
by the changing environment.



## Xnit - Roots

Roots are usually the first foods to come out at the beginning of the calendar year in spring (generally late April to Late May)

Latílatit - Appears late Feb to early April  
Latin Name: *Lomatium Grayi*



Piaxi (Bitter Root) - Appears April-May  
Latin Name: *Lewisia Rediviva*



Lukwsh (Canby's Biscuit Root) Appears April-May  
Latin Name: *Lomatium Canbyi*



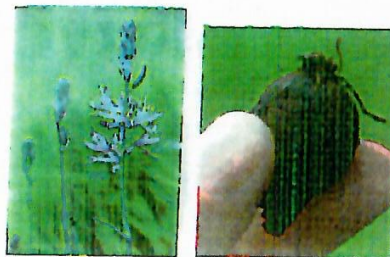
Xaush (Cous Biscuit Root)  
Appears April-May  
Latin Name: *Lomatium Cous*



Sawitk (Indian Carrot)  
Appears End of May - June  
Latin Name: *Perideridia Gairdneri*



Wáq'amu (Camas)  
Appears End of June - July  
Latin Name: *Camassia*



K'unch - Black Tree Moss  
Used to be collected and cooked

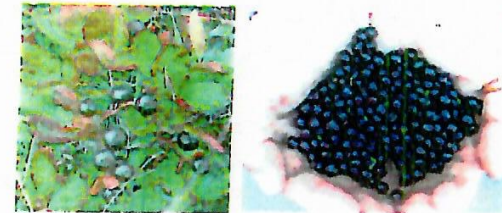
## Celery

Xamsi (Wild Celery)  
Appears April-May  
Latin Name: *Lomatium Nudicaule*

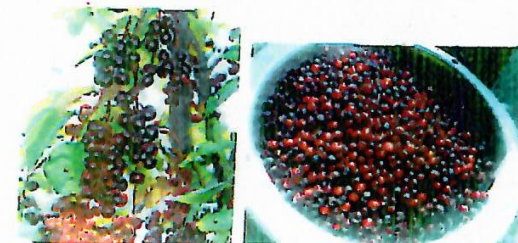


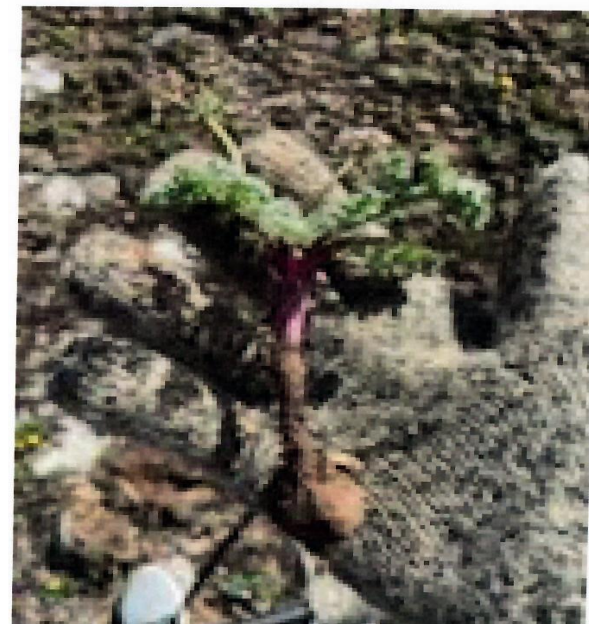
## Tmaanít - Berries

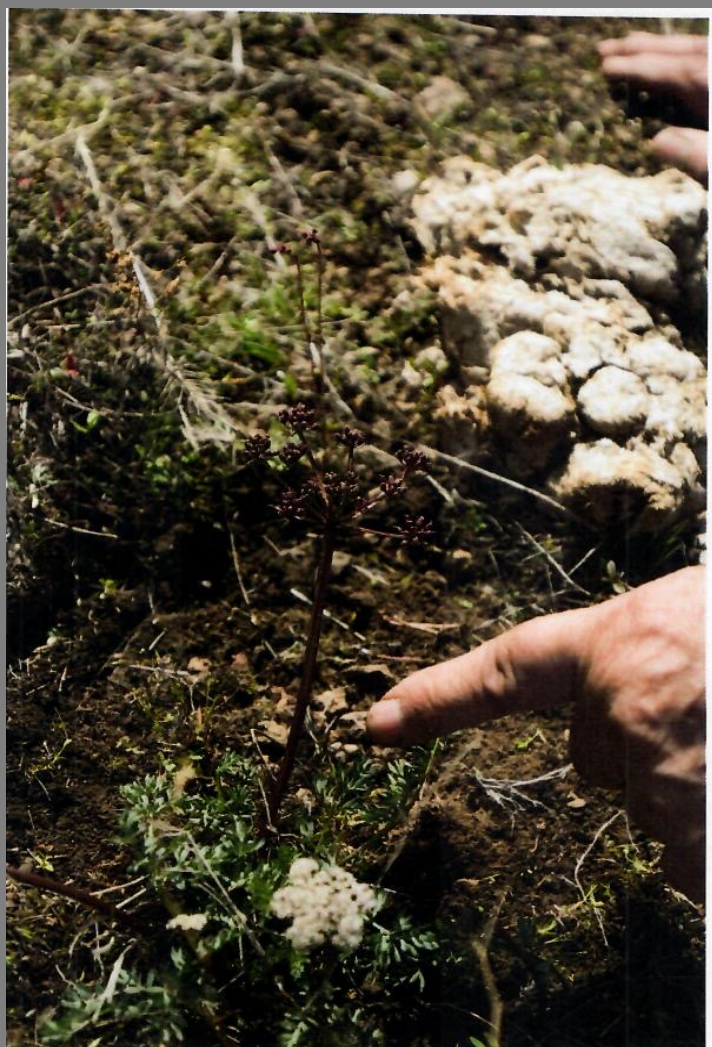
Wíwnu (Huckleberries)  
Appears August - Early September



Tmsh (Chokecherry)  
Appears same time as Huckleberries





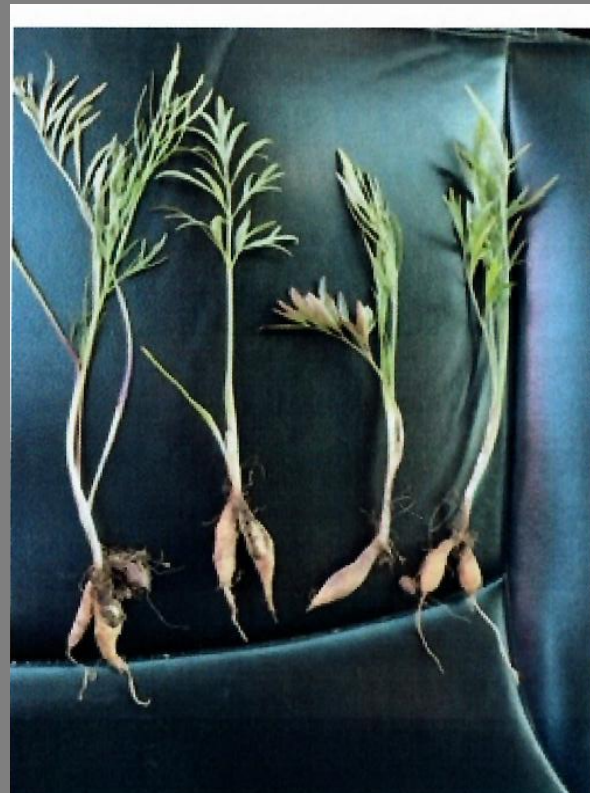


















Ibiaxi  
 Waqwat  
 Wachxwa  
 Itdwak

dunaiyax  
 Itkaxan  
 Wipan  
 Hkalakia  
 Qs'Qsa





Questions?